



PATENTS

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
)  
                  **Ashish M. Sukhadia et al.** )  
)  
Serial No.:   **10/797,673** )           Examiner:   **Lee, Rip A.**  
)  
Filed:        **March 10, 2004** )       Art Unit:    **1713**  
)  
For:   **Ethylene Polymers and Copolymers** )  
      **with High Optical Opacity and** )  
      **Methods of Making the Same** )

**AMENDMENT AND RESPONSE**

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Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the outstanding Office Action mailed October 3, 2005, Applicants respectfully request reconsideration and further examination in view of the following amendments and remarks.

**Amendments to the Specification** begin on page 2 of this paper.

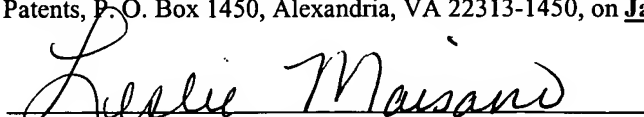
**Amendments to the Claims** are reflected in the Listing of Claims which begins on page 3 of this paper.

**Remarks** begin on page 18 of this paper.

**Conclusion** is on page 26 of this paper.

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I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail with sufficient postage in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on **January 3, 2006**.

  
Leslie Maisano

## Amendments to the Written Description

Please delete Table 6 on page 88, beginning on line 6 through the end of the page, in order to correct the typographical error in column "C", row "HLMI"; substitute therefore the following amended Table 6:

-- **Table 6.** Resin and Film Properties for Polymers Prepared According to this Invention.

PARAMETER <sup>A</sup>	RESIN					
	A	B	C	D	E	F
$\rho$ (density, g/cm <sup>3</sup> )	0.918	0.916	0.926	0.917	0.917	0.917
$M_w/M_n$	5.55	5.52	4.00	6.81	9.71	9.68
HLMI (dg/min)	55.7	56.8	<del>811.9</del> 81.2	12.36	23.0	35.1
MI (dg/min)	1.01	1.15	2.22-	0.14	0.3	0.58
HLMI/MI	55	49	37-	88	77	61
H (Haze, %, 1 mil)	87.6	87.2	86.2	83.1	93.1	92.4
C (Clarity, %, 1 mil)	10.3	10.4	8.7	10.7	6.6	7.0
H/C	8.50	8.38	9.87	7.77	14.17	13.14
H+H/C	96.1	95.6	96.1	90.9	107.3	105.5
$H-(\rho-0.870)\times 1000$	39	41	30	40	46	46
$H+(H/C)-(\rho-0.870)\times 1400$	28.5	30.9	17.7	30.3	41.2	41.6
$\eta_0 = \eta_{0,obs}$ (Pa•s)	1.59E+05	1.79E+05	7.96E+03	1.48E+13	9.77E+04	1.29E+07
$\eta_{0,lin}$	1.12E+04	1.25E+04	3.47E+03	5.75E+04	8.31E+03	2.36E+04
$[(\eta_{0,lin}-\eta_{0,obs})/\eta_{0,lin}]\times 100$	1,323	1,335	129	25,646,566,889	1,076	54,500

<sup>A</sup> Standard exponential abbreviations, for example, 1E+03 = 1E3 =  $1\times 10^3$  --